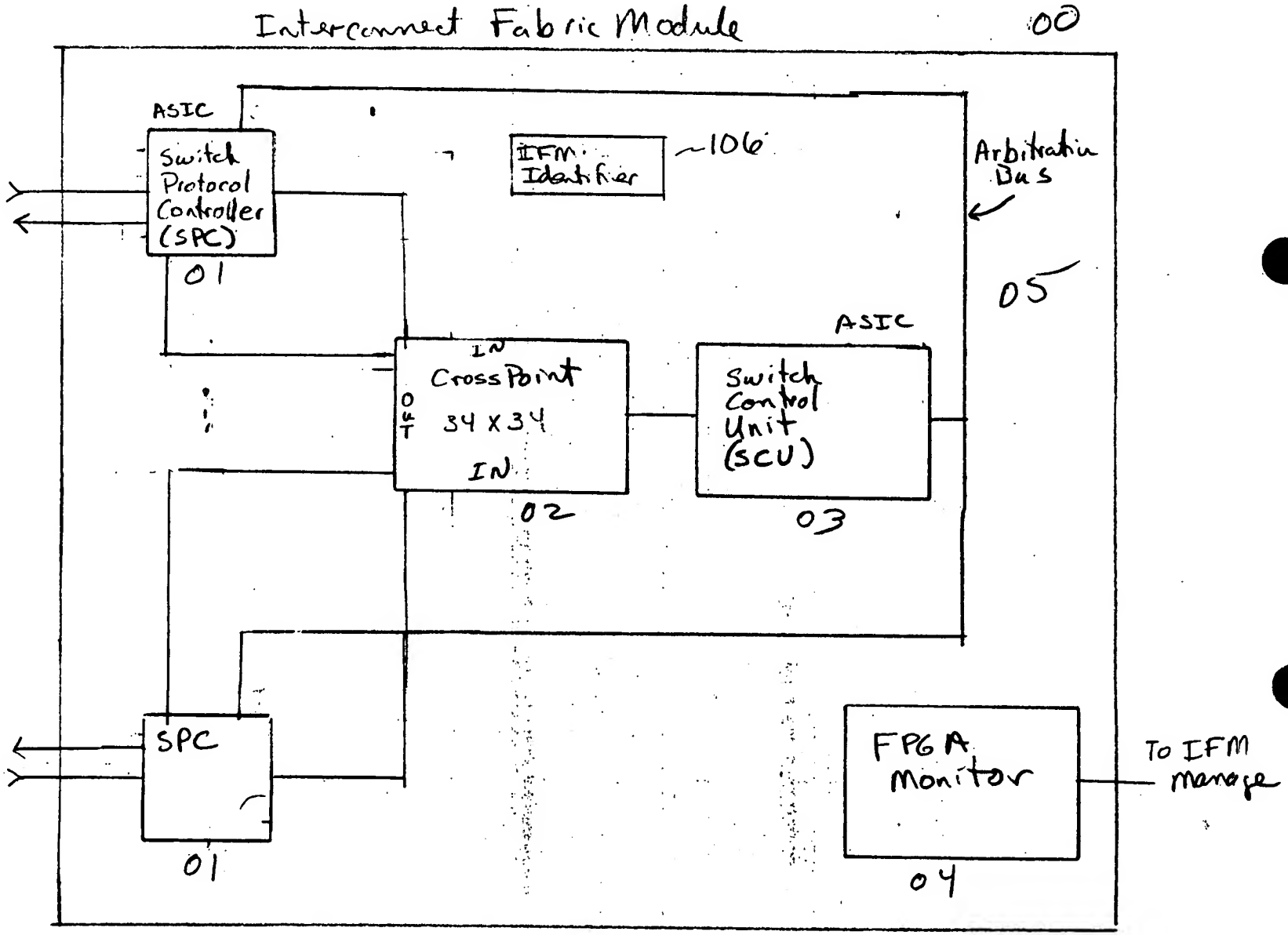


Fig 1

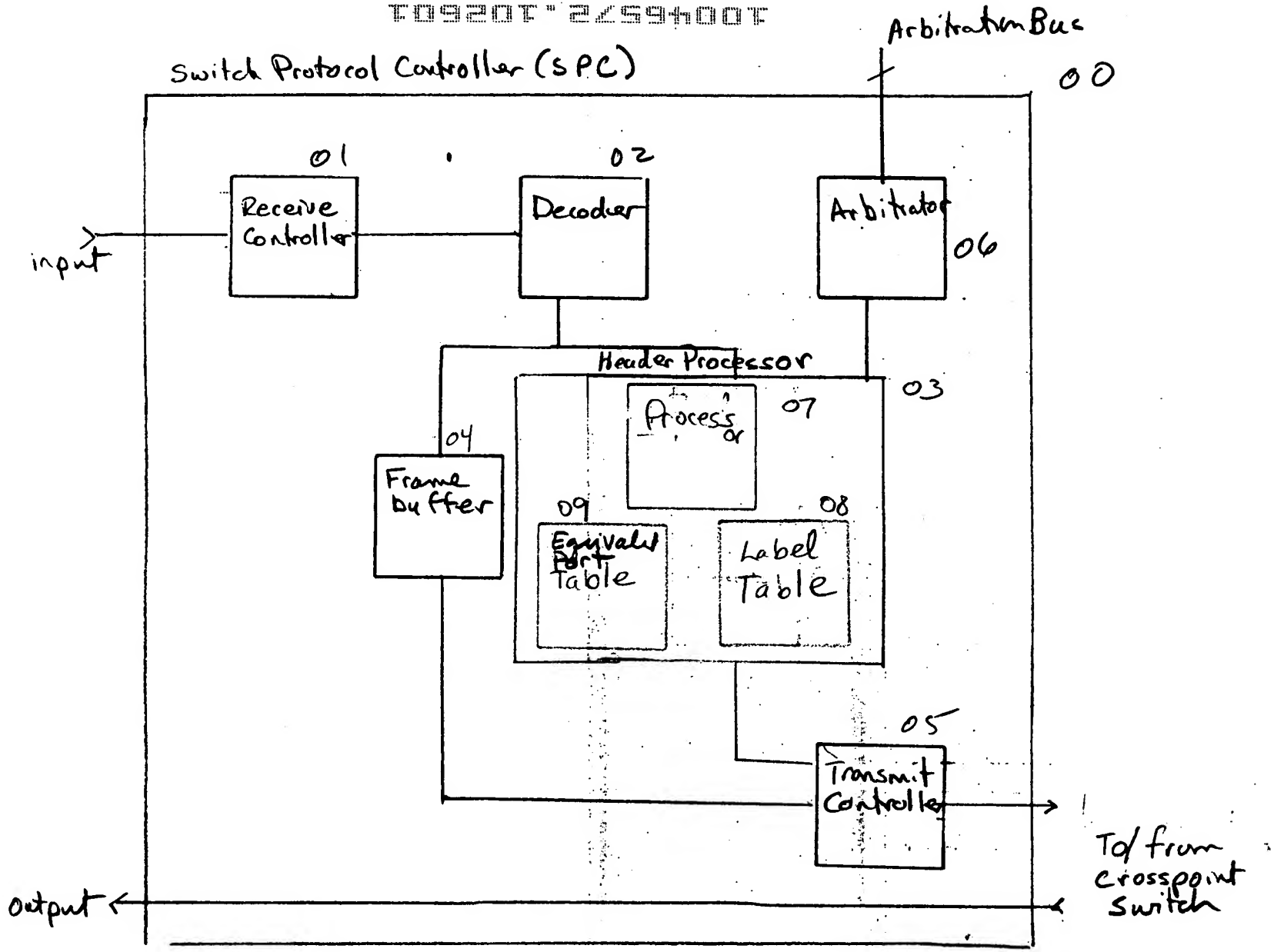


Fig 2

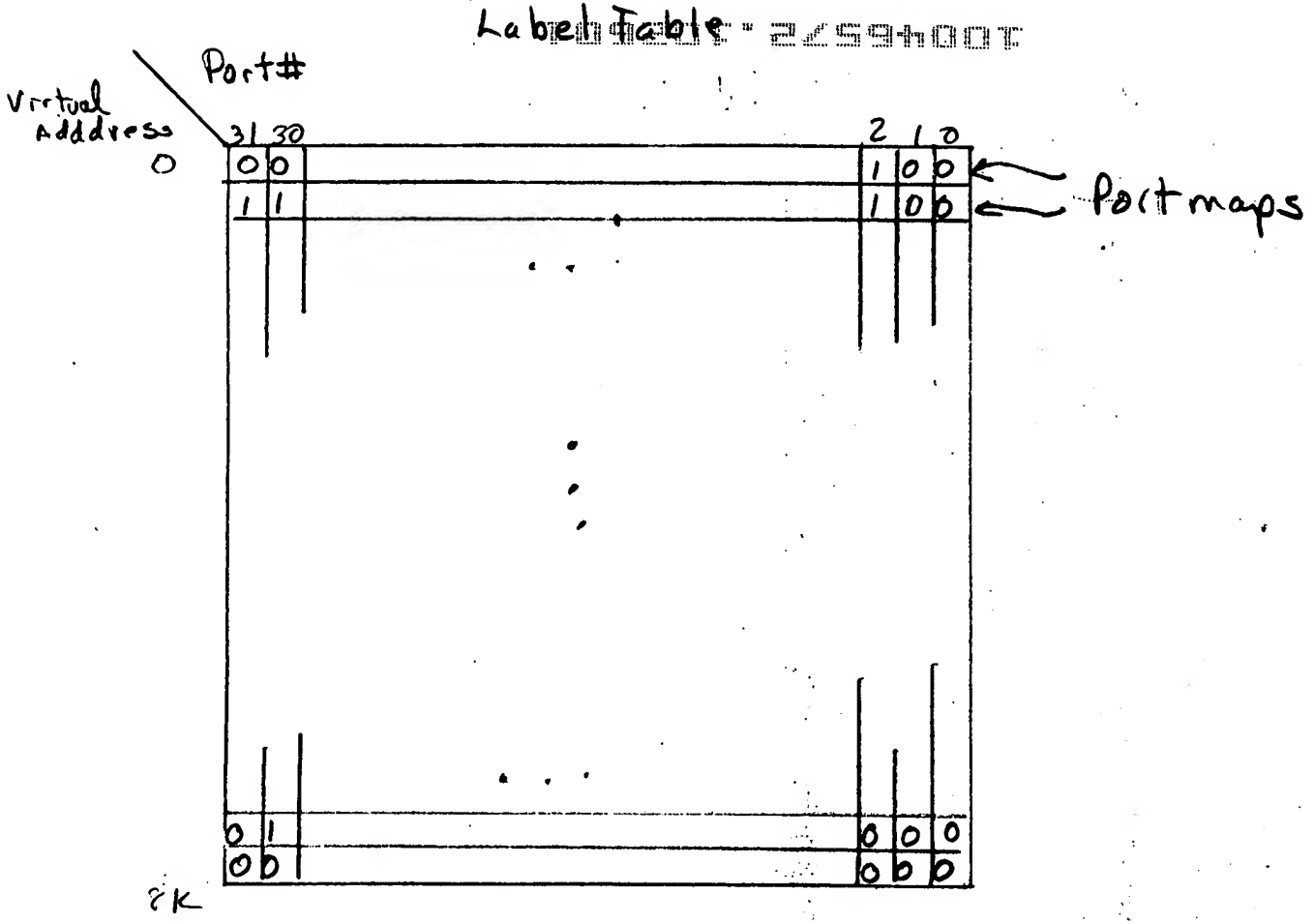

Label Table - 259th00r
Port#
Virtual Address
31 30
2 1 0
0
1 0 0
1 0 0
Port maps
8K

Fig 3

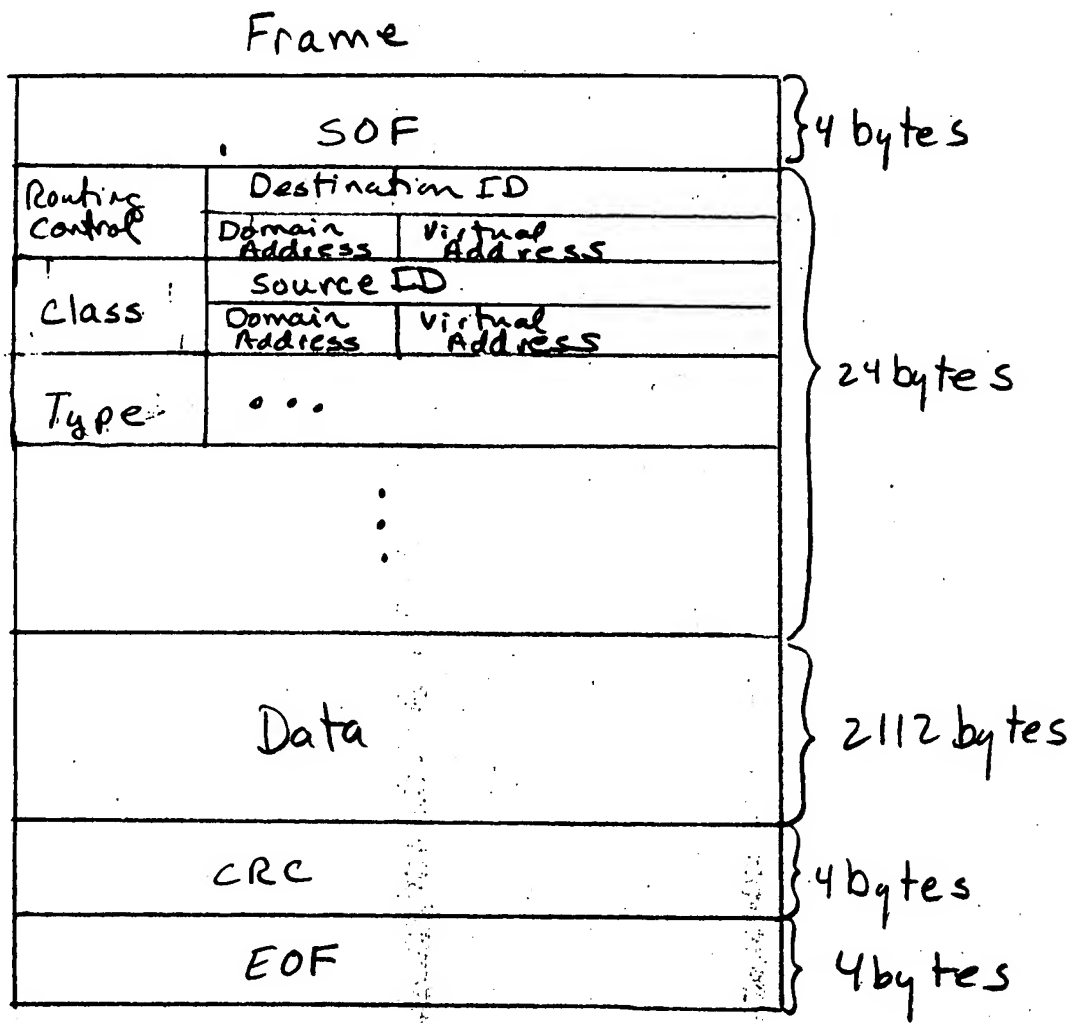


Fig 4

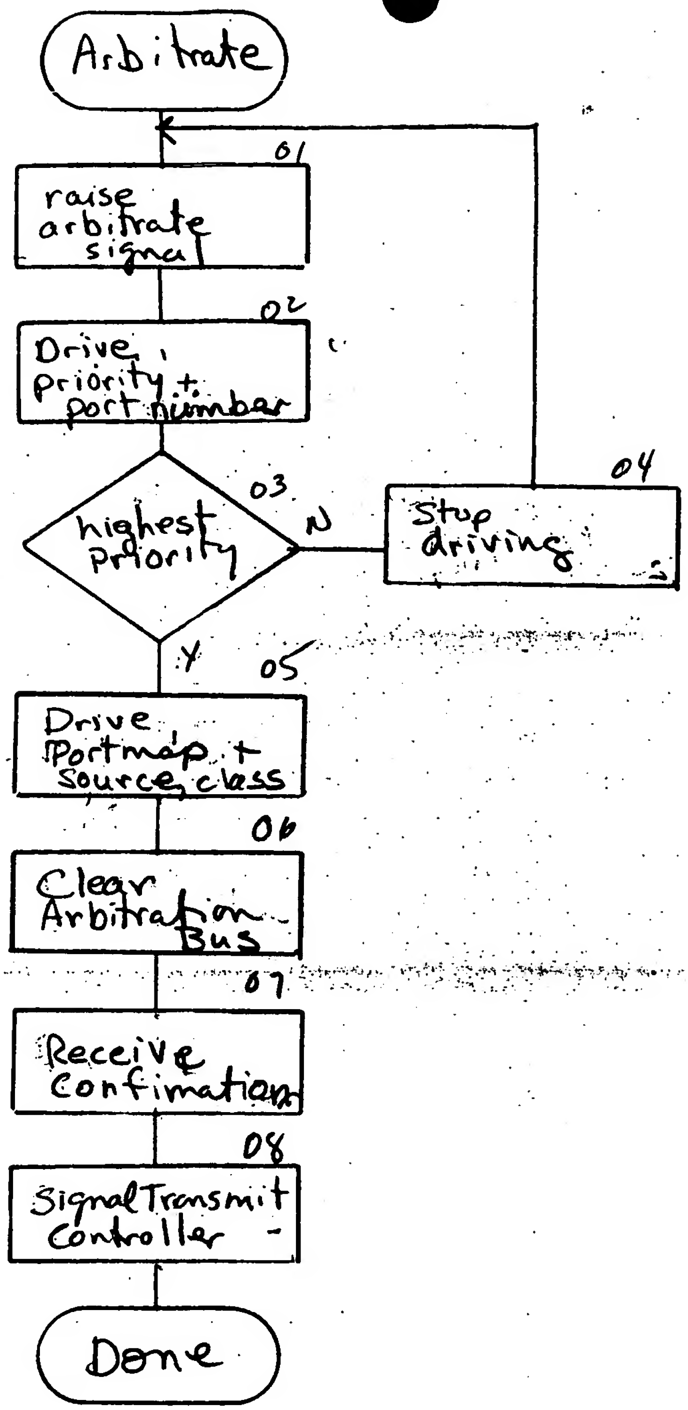


Fig 5

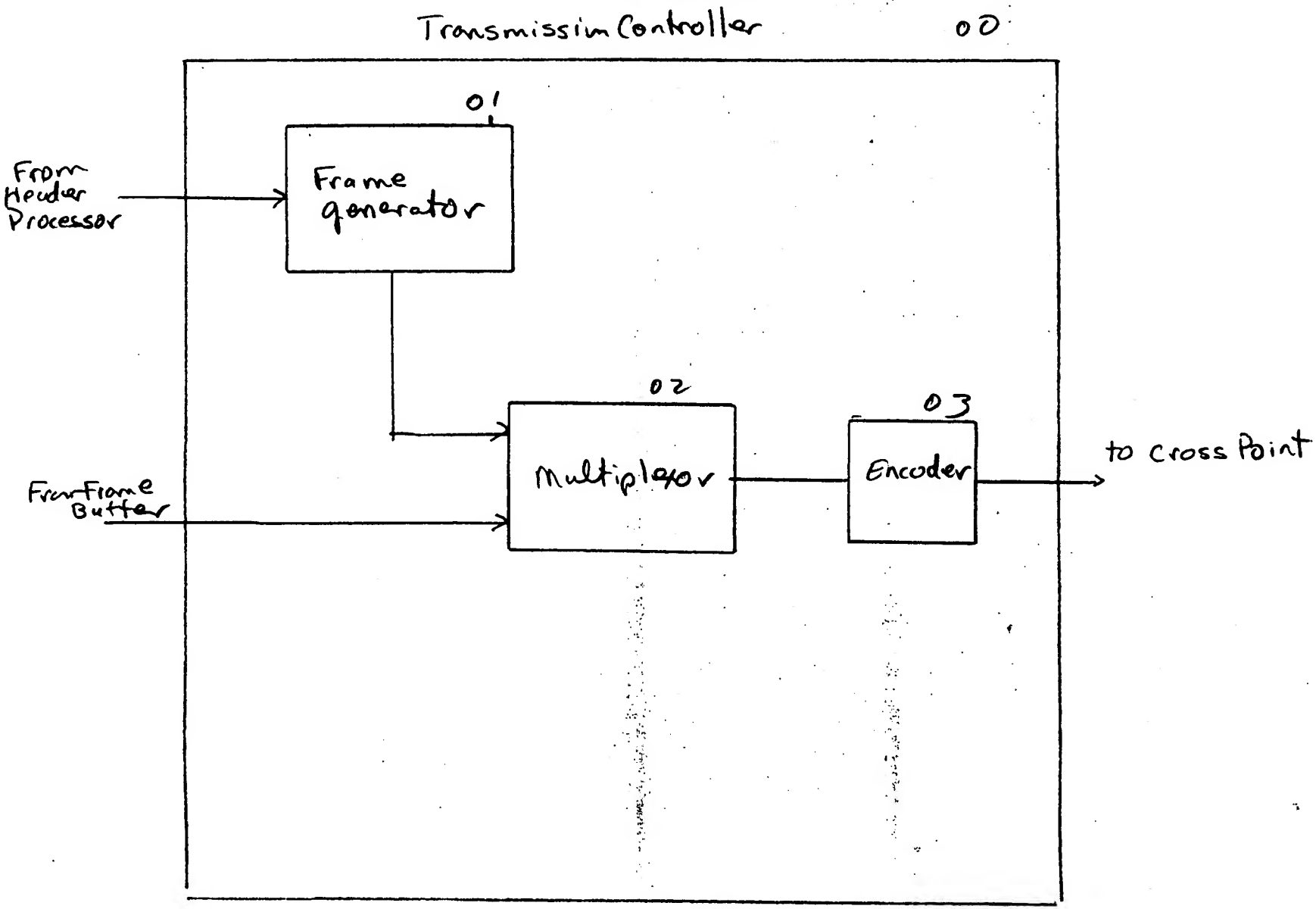


Fig 6

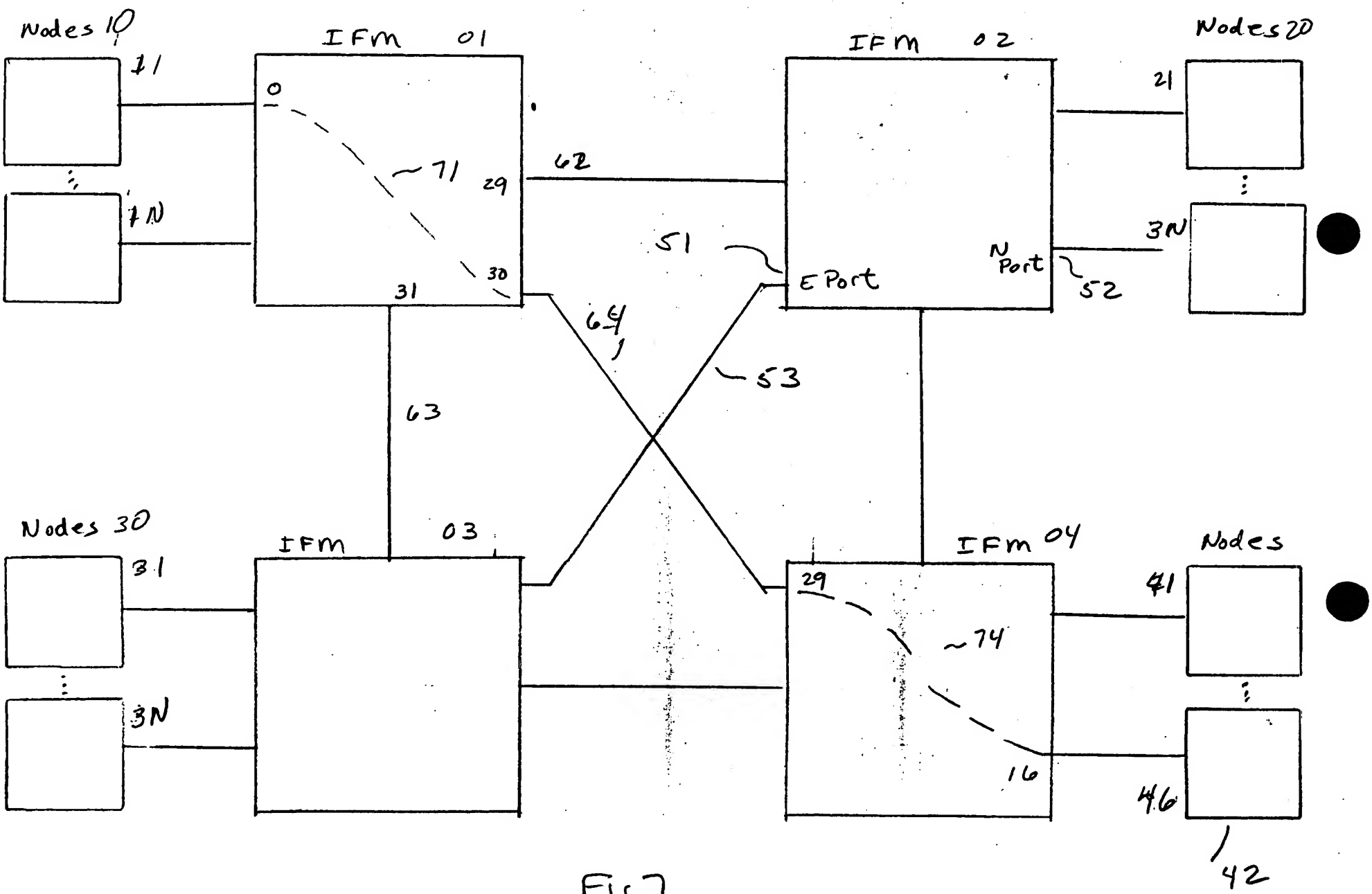

Nodes 10
11
1N
IFM 01
0
71
29
30
31
62
64
63
53
51
EPort
IFM 02
NPort
52
Nodes 20
21
3N
Nodes 30
31
3N
IFM 03
IFM 04
29
74
16
Nodes
41
46
42

Fig 7

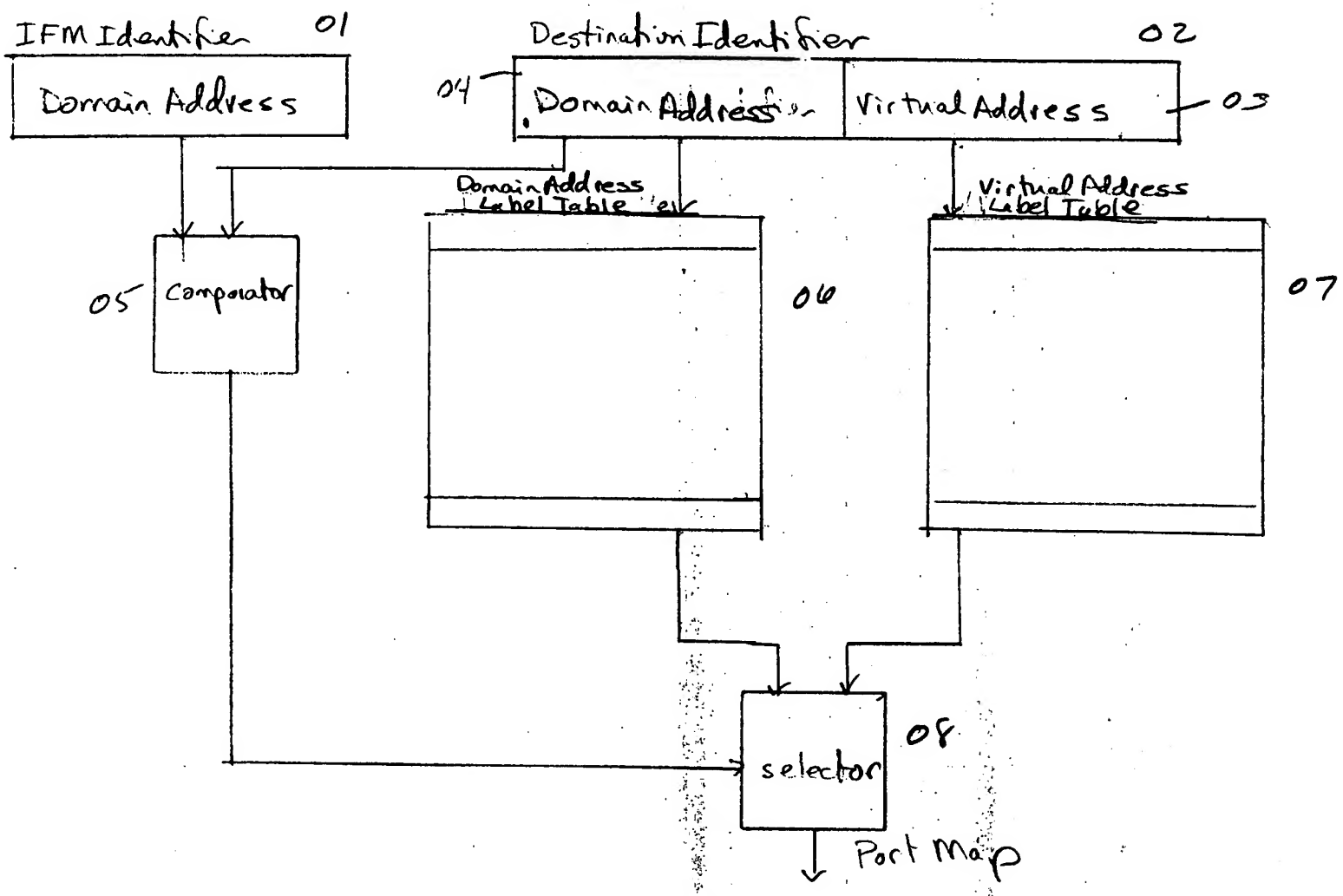


Fig. 8

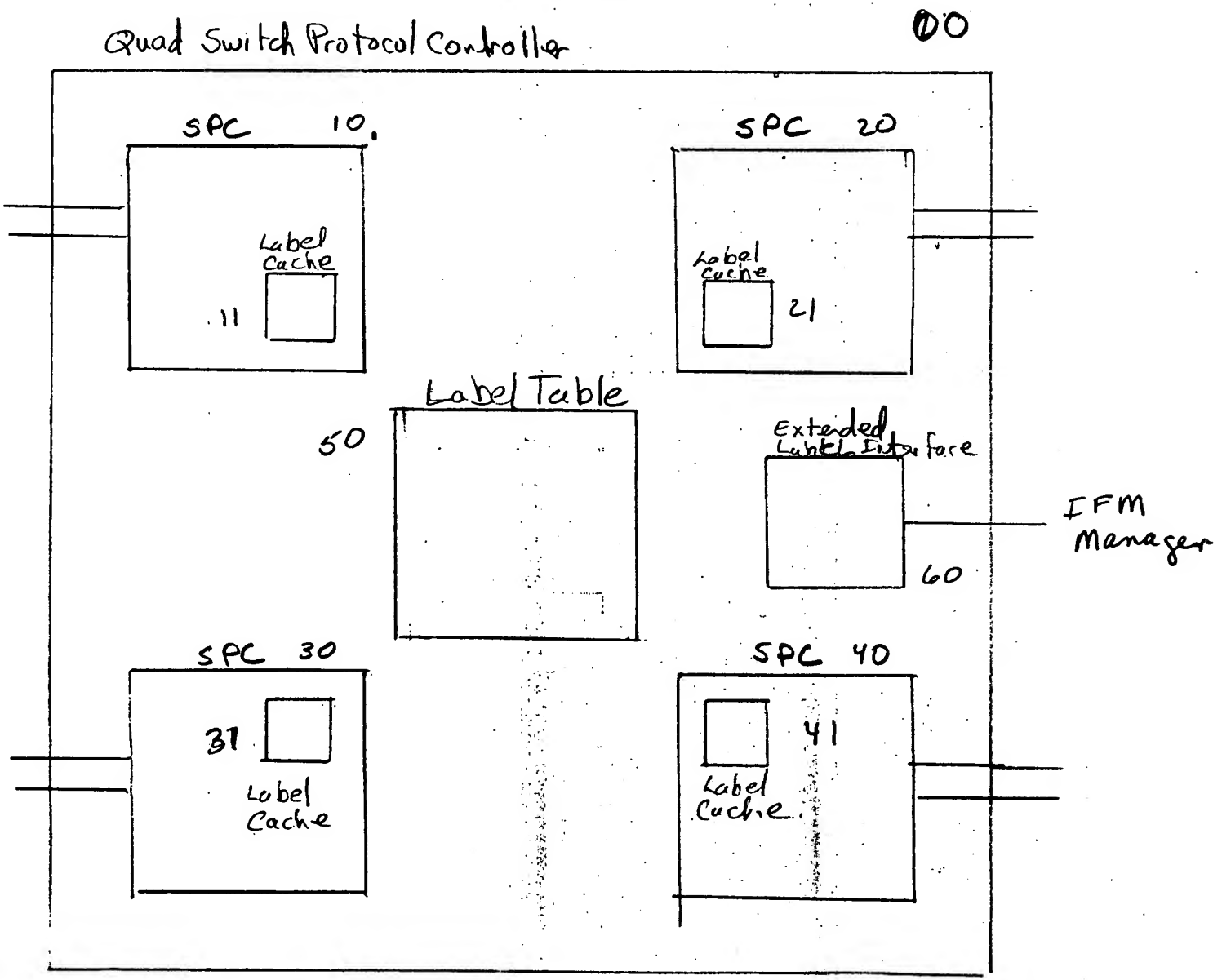


Fig 9

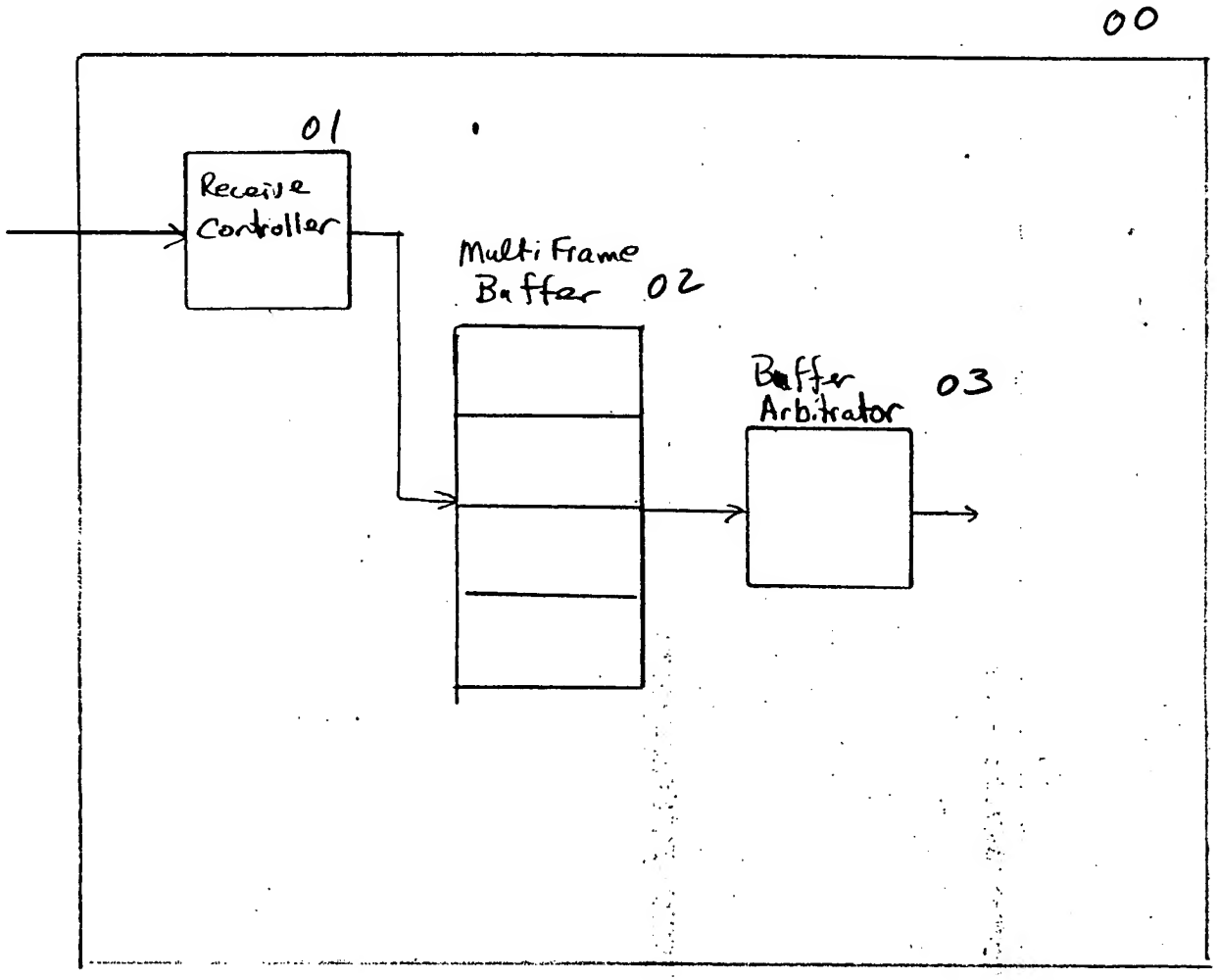


Fig 10

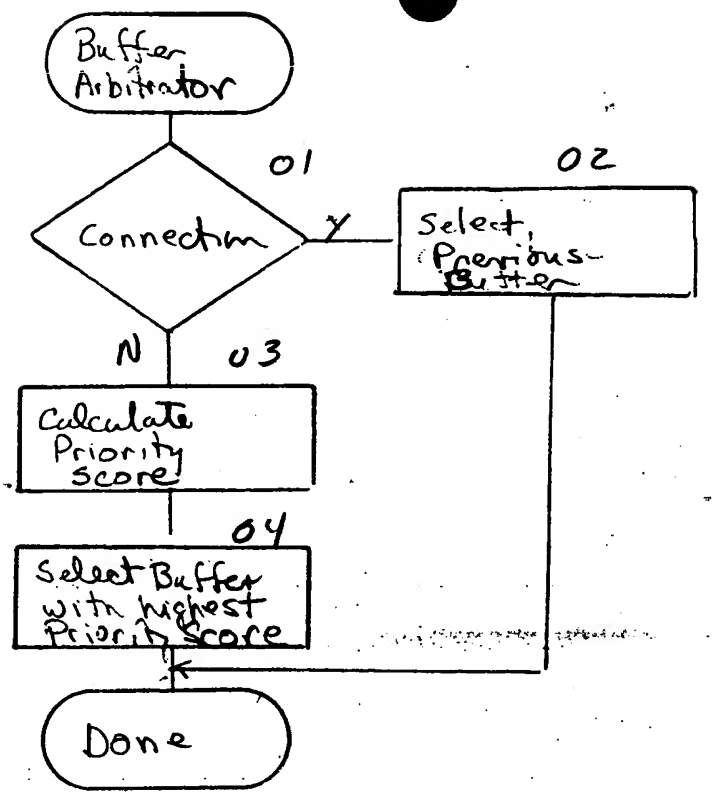


Fig 11

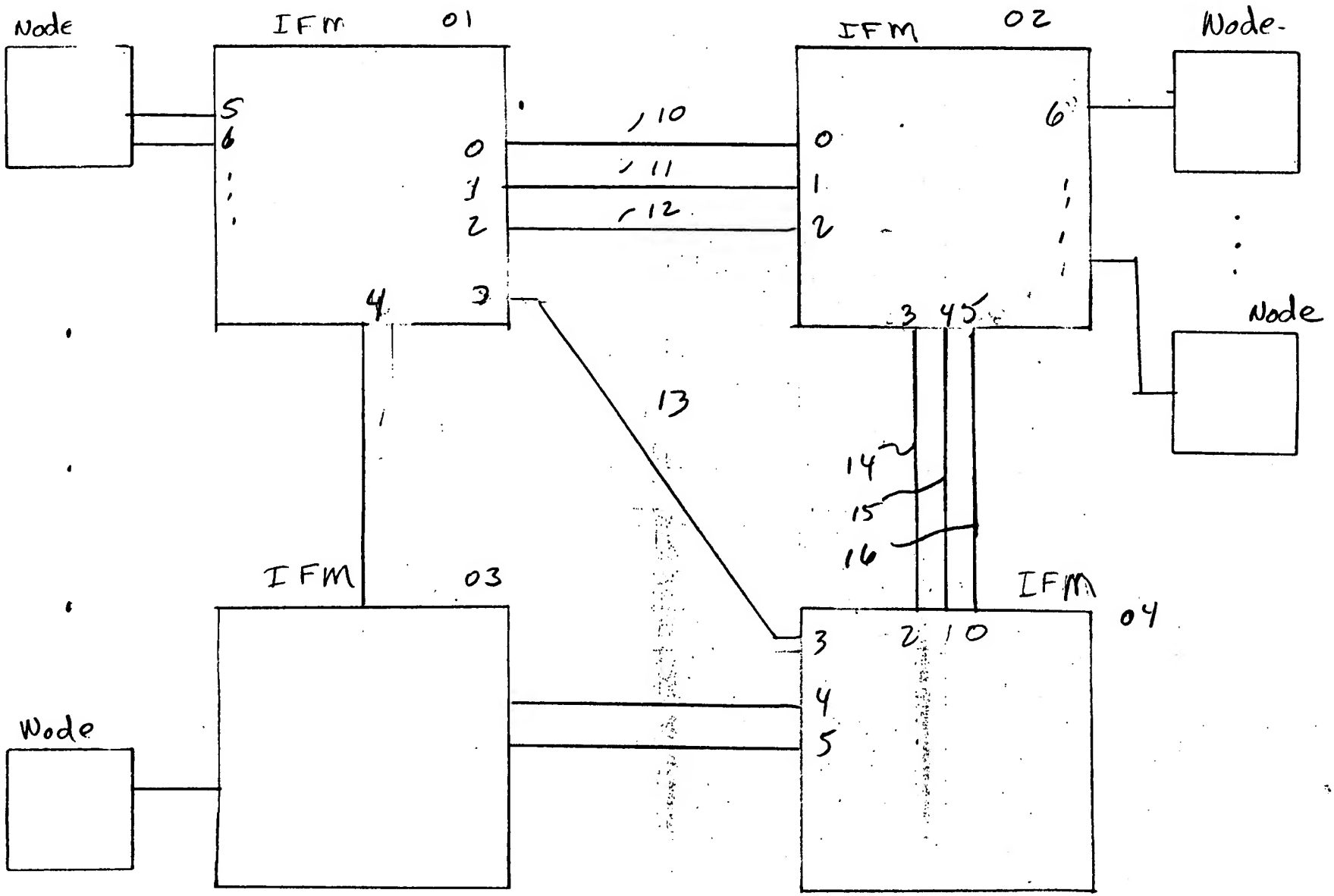

Node
IFM 01
IFM 02
Node
5
6
0
1
2
3
4
10
11
12
13
0
1
2
6
3
4
5
Node
14
15
16
IFM 03
IFM 04
Node
3
2
1
0
4
5

Fig 12

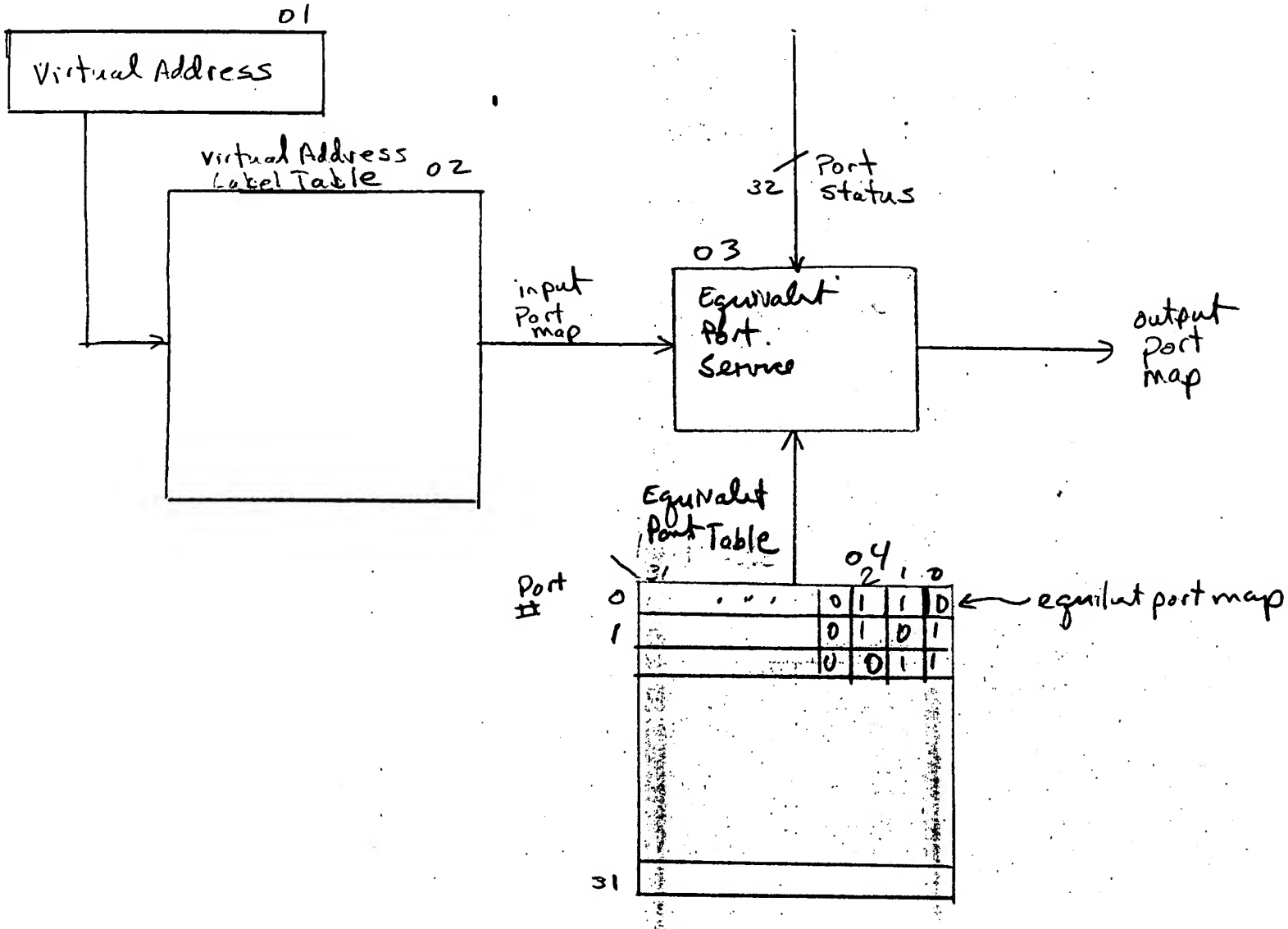


Fig 13

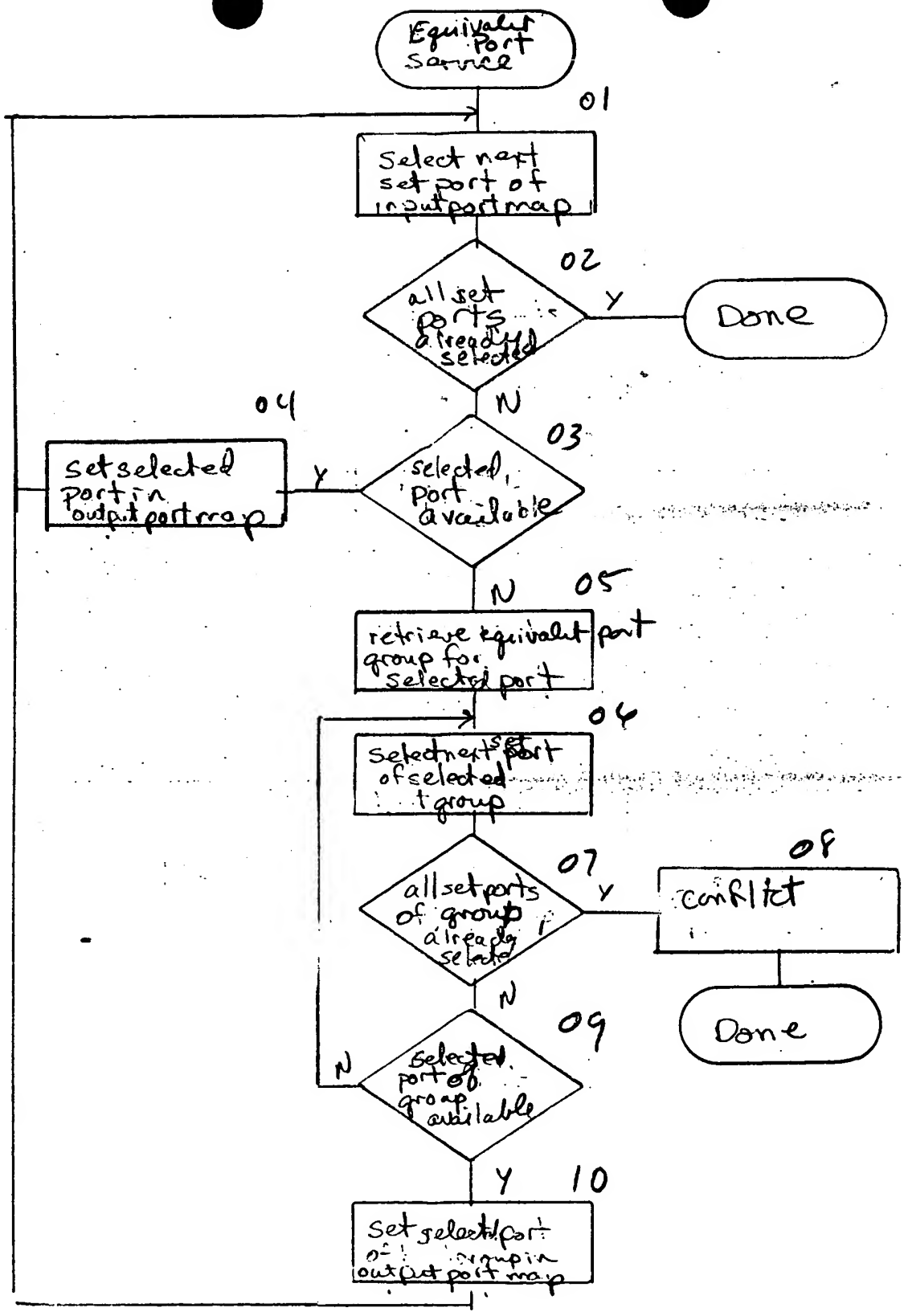


Fig 14

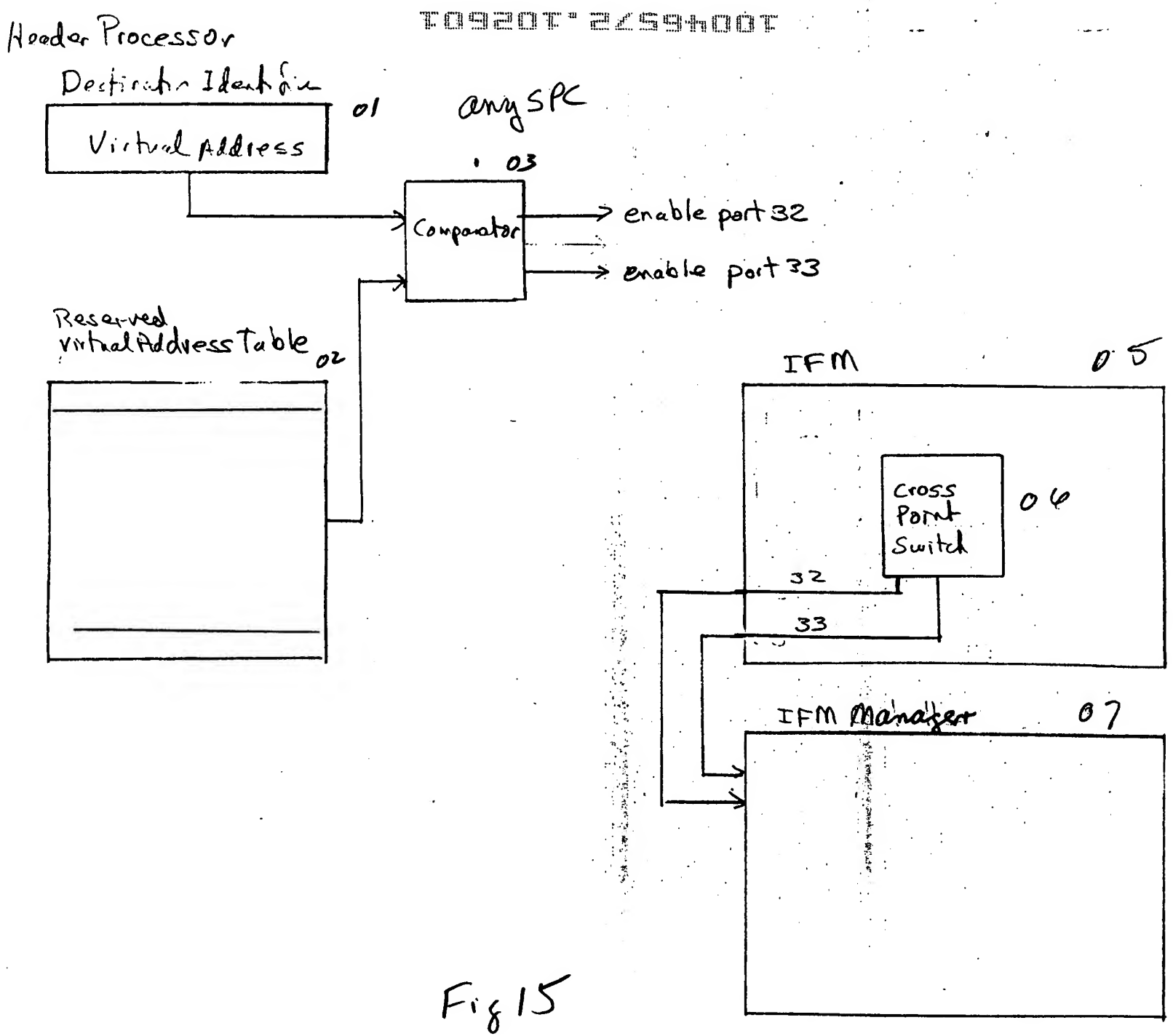
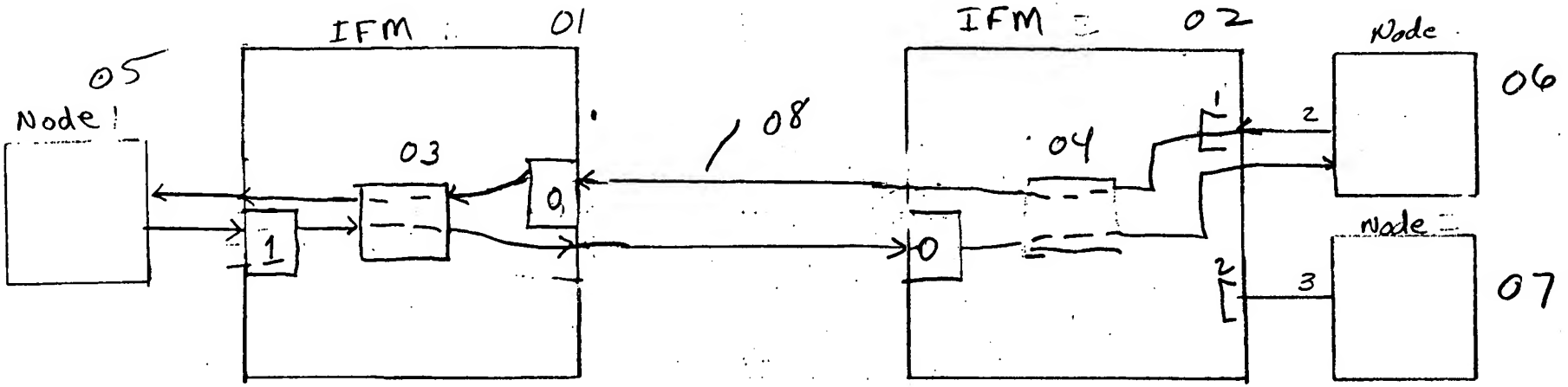


Fig 15

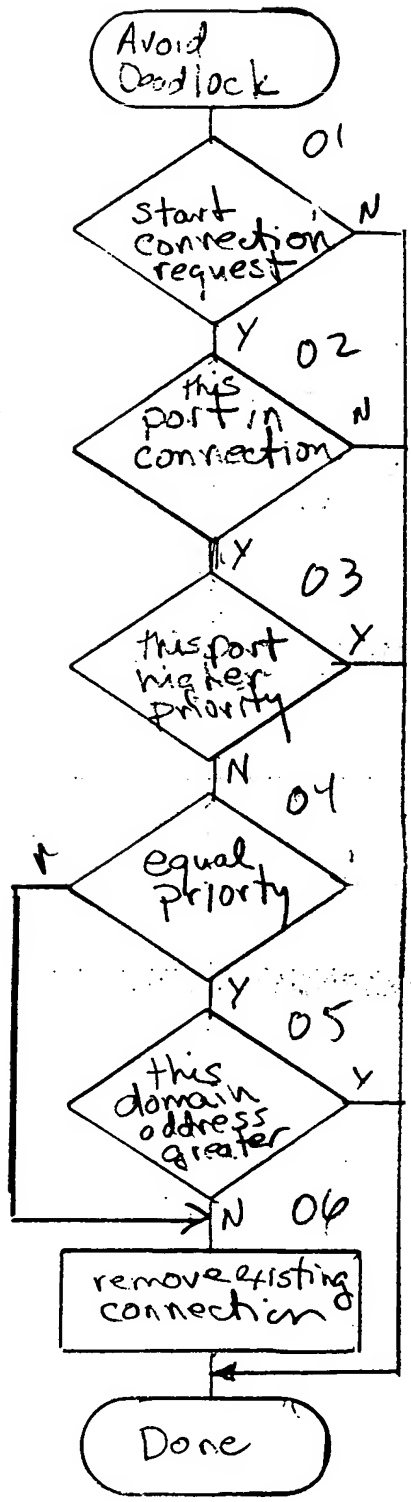


Deadlock

10

Time	Node 1605 IFM 1601	Node 1606 IFM 1602
0	Send start connect	Send start connect
1	Connect 1 ↔ 0	Connect 2 ↔ 0
2	Forward start connect	Forward start connect
3	Can't forward start connect Node 1	Can't forward start connect

Fig 16



When end-to-end not established

Fig 17

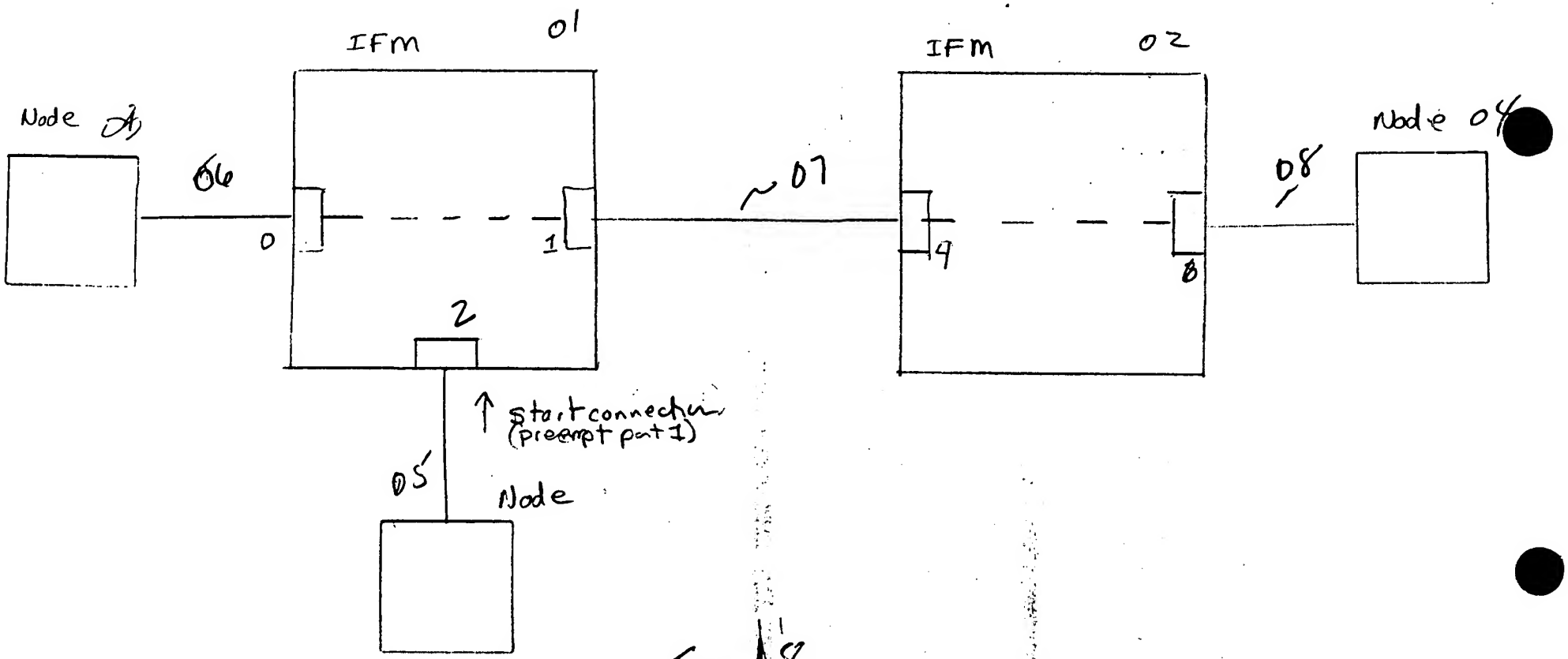


Fig 18

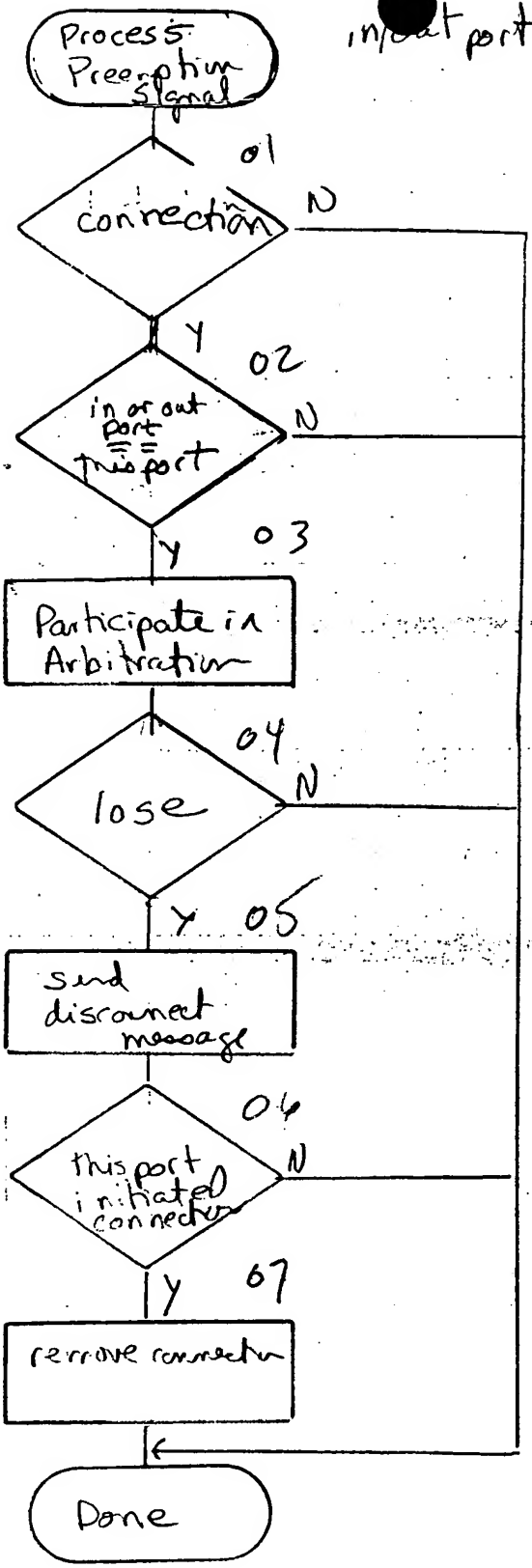

Process Preemption Signal
in/out port
01
connection
N
Y
02
in or out port == this port
N
Y
03
Participate in Arbitration
04
lose
N
Y
05
send disconnect message
06
this port initiated connection
N
Y
07
remove connection
Done

Fig. 19

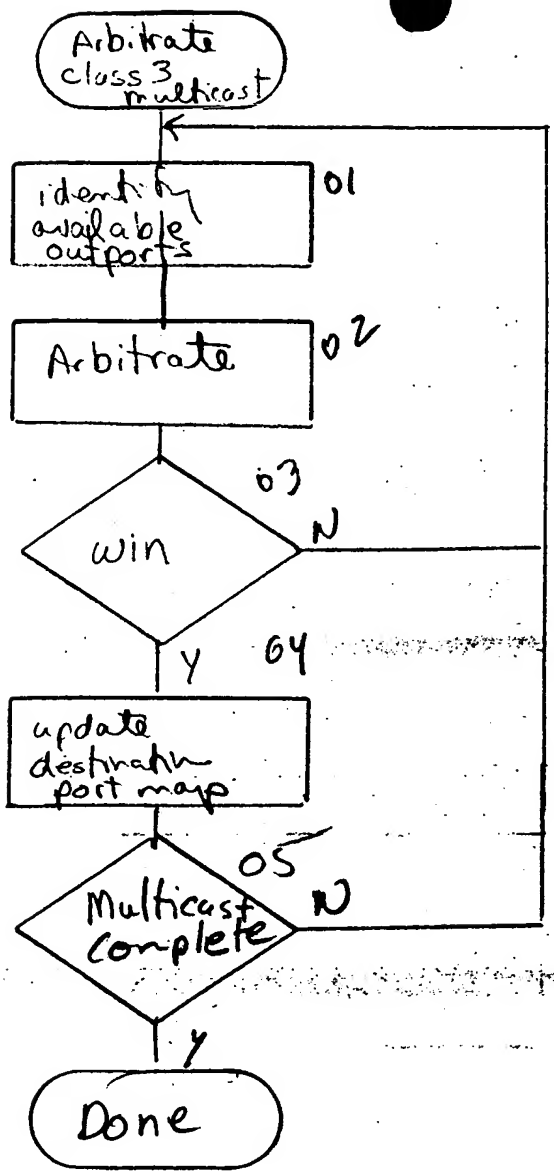


Figure 20